

AMENDMENTS TO THE CLAIMS

The following listing of claims will replace all prior versions and listings of claims in the application.

LISTING OF CLAIMS

1. (Currently amended) A system, comprising:

a ~~hand-operable processing~~ riveting device operable to ~~process~~ rivet at least one component;

a light emitting element operably producing a light beam, the light emitting element connectable to the processing device;

a reference position of the light emitting element from which the light emitting element is alignable to operably direct the light beam towards a reference point on the at least one component; and

at least one ~~connecting element~~ rivet connectable to the at least one component at the reference point ~~wherein the connecting element comprises at least one of a rivet, a punch rivet, a blind rivet, a weld stud and a clip.~~

2. (Currently amended) The system of Claim 1, wherein the light beam comprises a laser beam.

3. (Cancelled).

4. (Previously presented) The system of Claim 1, comprising an envelope of the ~~processing~~ riveting device, wherein the reference position is locatable outside of the envelope.

5. (Previously presented) The system of Claim 1, comprising a machining space of the processing device, wherein the reference position is locatable outside of the machining space.

6. (Previously presented) The system of Claim 5, wherein the reference position is bridged by a machining vertical line.

7. (Previously presented) The system of Claim 6, comprising:
a device support having a center;
wherein the reference point is locatable on the machining vertical line and the machining vertical line is extendable through the center of the device support.

8. (Previously presented) The system of Claim 7, wherein the reference point is arranged at a distance from the device support.

9. (Previously presented) The system of Claim 8, wherein the distance comprises an adjustable distance increasable by a total material thickness of the at least one component.

10. (Currently amended) The system of Claim 1, wherein the light beam is directable onto the reference point from outside of the ~~processing~~ riveting device at an oblique orientation.

11. (Previously presented) The system of Claim 1, comprising a variably projectable light beam.

12. (Currently amended) The system of Claim 11, wherein the variably projectable light beam is operably projected onto the component as one of a point and a diameter of the ~~connecting element~~ rivet.

13. (Previously presented) The system of Claim 1, comprising a variably focusable light beam.

14. (Currently amended) The system of Claim 13, wherein the variably focusable light beam is operably focused onto the component as one of a point and a diameter of the ~~connecting element~~ rivet.

15. (Currently amended) A ~~connecting~~ riveting apparatus comprising:

- a ~~connecting~~ riveting device operable to ~~connect~~ drive at least one connecting element ~~[[to]]~~ into permanent engagement with at least one component;
- a light emitting element operably producing a light beam, the light emitting element attachable to the ~~connecting~~ riveting device;
- a reference position of the light emitting element from which the light emitting element is alignable to operably direct the light beam towards a reference point and the at least one connecting element connectable to the at least one component at the reference point;
- a variably projectable light beam; and
- a template, wherein the variably projectable light beam is in operable cooperation with the template such that a device-related interference contour is projectable onto the at least one component ~~wherein the at least one connecting element comprises at least one of a rivet, a punch rivet, a blind rivet, a rivet nut, a weld nut, a weld stud, and a clip.~~

16. (Currently amended) The ~~connecting~~ riveting apparatus of Claim 15, wherein the device-related interference contour includes one of a diameter of a mouthpiece, a device support diameter, and one of a plurality of geometric shapes including a square, a triangle and an ellipse.

17. (Currently amended) A riveting apparatus comprising:

a riveting device operable to ~~process~~ force at least one connecting element into at least one component and to connect the at least one connecting element to the at least one component;

a light emitting element operably producing a light beam, the light emitting element connectable to the riveting device;

a reference position of the light emitting element from which the light emitting element is alignable to operably direct the light beam towards a reference point[[:]] and the at least one connecting element connectable to the at least one component at the reference point;

a variably focusable light beam; and

a template, wherein the variably focusable light beam is in operable cooperation with the template such that a device-related interference contour is focusable onto the at least one component.

18. (Previously presented) The riveting apparatus of Claim 17, wherein the device-related interference contour includes one of a diameter of a mouthpiece, a device support diameter, and one of a plurality of geometric shapes including a square, a triangle and an ellipse.

19 - 21. (Cancelled).

22. (Previously presented) A method for riveting a connecting element to a component, the method comprising:

producing a single light beam with a light beam emitter connected to a riveting device;

positioning the light beam emitter at a reference position to operably direct the single light beam towards a reference point;

placing a mark on an uppermost one of the component to be riveted ;

congruently positioning one of the mark and the single light beam above the other;

aligning the connecting element with the component at the reference point;

shaping the mark to match a shape of the connecting element; and

employing the riveting device to drive the connecting element into permanent engagement with the component.

23 - 27. (Cancelled).

28. (Currently amended) A method for connecting a ~~connecting element~~ rivet to at least one component, the method comprising:

producing a single light beam with a light beam emitter, the light beam emitter being integrated to a connecting device;

positioning the light beam emitter at a reference position to operably direct the light beam towards a reference point;

aligning the ~~connecting element taken from the group including a rivet, a punch rivet, a blind rivet, a rivet nut, a weld nut, a weld stud and a clip~~ rivet with the reference point;

placing a mark on an uppermost one of the at least one components;

congruently positioning one of the mark and the single light beam above the other;

employing the connecting device to connect both the ~~connecting element~~ rivet and the at least one component; and

joining the ~~connecting element~~ rivet together with the at least one component.

29. (Cancelled).

30. (Original) The method of Claim 28, comprising adjusting a height of the light beam to correspond to a total thickness of the at least one component.

31. (Cancelled).

32. (Currently amended) The system of Claim 1, wherein the at least one component ~~of the positioning system~~ is at least one part of an automotive vehicle.

33. (Cancelled).

34. (Currently amended) The ~~connecting~~ riveting apparatus of Claim 15, wherein the at least one connecting element is a rivet.

35. (Currently amended) The ~~connecting~~ riveting apparatus of Claim 15, wherein the at least one component is at least one part of an automotive vehicle.

36. (Previously presented) The riveting apparatus of Claim 17, wherein the connecting element comprises at least one of a rivet, a punch rivet, a blind rivet, a rivet nut, a weld nut, a weld stud and a clip.

37. (Previously presented) The riveting apparatus of Claim 17, wherein the at least one connecting element is a rivet.

38. (Previously presented) The riveting apparatus of Claim 17, wherein the at least one component is at least one part of an automotive vehicle.